



IPW

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q77787

Kouzi HAYASI

Appln. No.: 10/673,476

Group Art Unit: 2811

Confirmation No.: 1541

Examiner: Shouxiang HU

Filed: September 30, 2003

For: SEMICONDUCTOR DEVICE INCLUDING BIPOLAR JUNCTION TRANSISTOR,
AND PRODUCTION METHOD THEREFOR

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. N. Camilleri et al., "Bonding Pad Models for Silicon VLSI Technologies and Their Effects on the Noise Figure of RF NPNs", Microwave Symposium Digest, 1994, pages 1179-1182.
2. U.S. Patent No. 6,069,404, published May 30, 2000.
3. European Patent Application Publication No. 1 061 572, published December 20, 2000.

INFORMATION DISCLOSURE STATEMENT

U.S. Appln. No.: 10/673,476

4. U.S. Patent No. 6,188,123, published February 13, 2001.
5. European Patent Application Publication No. 0 395 862, published November 7, 1990.
6. U.S. Patent No. 5,965,930, published October 12, 1999.
7. European Patent Application Publication No. 0 382 504, published August 16, 1990.
8. Japanese Unexamined Patent Application Publication No. H10-163332, published June 19, 1998.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed after the later of three months from the application's filing date and the mailing date of the first Office Action on the merits, but before a Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution in the application (whichever is earlier), and therefore Applicant is filing concurrently herewith a Statement Under 37 C.F.R. § 1.97(e). No fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of a corresponding European Search Report dated October 22, 2004 which cites such documents and indicates the degree of relevance found by the foreign patent office.

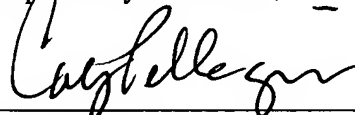
The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

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U.S. Appln. No.: 10/673,476

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



Carl J. Pellegrini

Registration No. 40,766

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: December 28, 2004

Substitute for Form 1449 A & B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number	10/673,476
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Filing Date	September 30, 2003
First Named Inventor	Kouzi HAYASI
Art Unit	2811
Examiner Name	Shouxiang HU
Attorney Docket Number	Q77787

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ³ (if known)		
		US 6,069,404	A	05-30-2000	Aufinger et al.
		US 6,188,123	B1	02-13-2001	Tsukamoto
		US 5,965,930	A	10-12-1999	Sakamoto et al.
		US			
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	H10-163332	A	06-19-1998	Sony Corp.	ABS
		EP	0 395 862	A2	11-07-1990	Kabushiki Kaisha Toshiba	
		EP	1 061 572	A1	12-20-2000	STMicroelectronics S.r.l.	
		EP	0 382 504	A2	08-16-1990	Fujitsu Limited	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		N. Camilleri et al., "Bonding Pad Models for Silicon VLSI Technologies and Their Effects on the Noise Figure of RF NPNs", Microwave Symposium Digest, 1994, pages 1179-1182.	

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.